. REFERENCES:

1. A. Muthuvinayagam, Boben Thomas, P. Dennis Christy, R. Jerald Vijay, T. Manovah David and P. Sagayaraj, (2011) "Investigation on the Sol-Gel Synthesis, Structural, Optical and Gas sensing Properties of Zinc Oxide Nanoparticles", Scholars Research Library, Archives of Applied Science Research, 3 (4)/256-264.

2. Bappaditya Pal and P. K. Giri, (2010) "High temperature ferromagnetism and optical properties of Co doped ZnO nanoparticles", JOURNAL OF APPLIED PHYSICS, 108 / 084322.

3. Chandra Sekhar Rout, A.R. Raju, A. Govindaraj, C.N.R. Rao, (2006) "Hydrogen sensors based on ZnO nanoparticles", Solid State Communications 138/136–138.

4. D. M. Fernandes, R. Silva, A. A. Winkler Hechenleitner, E. Radovanovic, M. A. Custódio Melo, E. A. Gómez Pineda, (2009) "Synthesis and characterization of ZnO, CuO and a mixed Zn and Cu oxide", Materials Chemistry and Physics 115/110–115.

5. D. R. Patil, L. A. Patil, (2007) "Room temperature chlorine gas sensing using surface modified ZnO thick film resistors", Sensors and Actuators B 123/546–553.

6. F. E. Ghodsi and H. Absalan, (2010) "Comparative Study of ZnO Thin Films Prepared by Different Sol-Gel Route", ACTA PHYSICA POLONICA A No. 4 Vol. 118/659-664.

7. F. Paraguay D., J. Morales, W. Estrada L., E. Andrade, M. Miki-Yoshida, (2000) "Influence of Al, In, Cu, Fe and Sn dopants in the microstructure of zinc oxide thin films obtained by spray pyrolysis", Thin Solid Films, 366/ 16-27.

8. G. Sarala Devi, V. Bala Subrahmanyam, S. C. Gadkari, S. K. Gupta, (2006) "NH_3 gas sensing properties of nanocrystalline ZnO based thick films", Analytica Chimica Acta xxx/1-5.

9. H. Gong, J. Q. Hu, J. H. Wang, C. H. Ong, F. R. Zhu, (2006) "Nano-crystalline Cu-doped ZnO thin film gas sensor for CO", Sensors and Actuators B 115 /247–251.

10. Harish Bhadur, A K Srivastava, Divi Haranath, Harish Chander, A Basu, S B Samanta, K N Sood, Ram Kishor, R K Sharma, Rashmi, Vivekanand Bhatt, Prem Pal and Sudhir Chandra, (2007) “Nano-structured ZnO films by sol-gel process”, Indian Journal of Pure & Applied Physics, 45/395-399.

11. Jefferson A. Wibowo, Nadia F. Djaja, Rosari Saleh, (2013) “Cu- and Ni-Doping Effect on Structure and Magnetic Properties of Fe-Doped ZnO Nanoparticles”, Advances in Materials Physics and Chemistry, 3/ 48-57.

12. K Das, S Ray, S Chaudhuri and A B Maity, (2009) “Structural and luminescence properties of sol-gel derived Cu doped ZnO films”, Indian Journal of Pure & Applied Physics, 47/377-382.

13. K. Arshak, I. Gaidan, (2005) “Development of a novel gas sensor based on oxide thick films”, Materials Science and Engineering B 118/44–49.

14. K. Balachandra Kumar and P. Raji, (2011) “Synthesis and characterization of nano Zinc Oxide by Sol-Gel spin coating”, Recent Research in Science and Technology, 3(3)/48-52.

15. K. L. Foo, M. Kashif, U. Hashim and M. E. Ali, (2013) “Fabrication and Characterization of ZnO Thin Films by Sol-Gel Spin Coating Method for the Determination of Phosphate Buffer Saline Concentration, Current Nanoscience”, Vol. 9, No. 2 /1-5.

16. L. Chow, O. Lupan, G. Chai, H. Khallaf, L. K. Ono, B. Roldan Cuenya, I. M. Tiginyanu, V. V. Ursaki, V. Sontea, A. Schulte, (2013) “Synthesis and characterization of Cu-doped ZnO one-dimensional structures for miniaturized sensor applications with faster response”, Sensors and Actuators A 189/ 399– 408.

17. L. Znaidi, T. Touam, D. Vrel, N. Souded, S. Ben Yahia, O. Brinza, A. Fischer and A. Boudrioua, (2012) “ZnO Thin Films Synthesized by Sol–Gel Process for Photonic Applications”, ACTA PHYSICA POLONICA A No. 1 Vol. 121/165-168.

18. M. Risti´c, S. Musi´c, M. Ivanda, S. Popovi´c, (2005) “Sol–gel synthesis and characterization of nanocrystalline ZnO powders”, Journal of Alloys and Compounds 397/ L1–L4.

19. M. C. Carotta, A. Cervi, V. di Natale, S. Gherardi, A. Giberti, V. Guidi, D. Puzzovio, B. Vendemiati, G. Martinelli, M. Sacerdoti, D. Calestani, A. Zappettini, M. Zha, L. Zanotti, (2009) “ZnO gas sensors: A comparison between nanoparticles and nanotetrapods-based thick films”, Sensors and Actuators B 137 /164–169.

20. Mergoramadhayenty Mukhtar, Lusitra Munisa, Rosari Saleh, (2012) Co-Precipitation “Synthesis and Characterization of Nanocrystalline Zinc Oxide Particles Doped with Cu^{2+} Ions”, Materials Sciences and Applications, 3/543-551.

21. Muhammad Saleem, Liang Fang, Aneela Wakeel, M. Rashad, C. Y. Kong, (2012) “Simple Preparation and Characterization of Nano-Crystalline Zinc Oxide Thin Films by Sol-Gel Method on Glass Substrate”, World Journal of Condensed Matter Physics, 2/10-15.

22. Nanda Shakti, P. S.Gupta, (2010) “Structural and Optical Properties of Sol-gel Prepared ZnO Thin Film”, Applied Physics Research, Vol. 2, No. 1/19-28.

23. P. D. Sahare, Vipin Kumar, (2013) “Optical and Magnetic Properties of Cu-Doped ZnO Nanoparticles”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.-3, Issue-6, 15-21.

24. R. S. Dubey, M. A. More and V. Ganesan, (2014) “Optical and structural properties of ZnO nanostructure synthesized by thermal evaporation method”, Scholars Research Library, Archives of Physics Research, 5(1)/12-17.

25. S. Ilican, Y. Caglar, M. Caglar, (2008) “Preparation and characterization of ZnO thin films deposited by sol-gel spin coating method”, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol.10, No.10/2578 – 2583.

26. S. L. Patil, S. G. Pawar, A. T. Mane, M. A. Chougule , V. B. Patil, (2010) “Nanocrystalline ZnO thin films: optoelectronic and gas sensing properties”, J Mater Sci: Mater Electron 21/1332–1336.

27. S. L. Patil, M. A. Chougule, S. G. Pawar, B. T. Raut, Shashwati Sen, V. B. Patil, (2011) “New process for synthesis of ZnO thin films: Microstructural, optical and electrical characterization”, Journal of Alloys and Compounds 509/10055– 10061.

28. S. Y. Pung, C. S. Ong, K. Mohd Isha & M. H. Othman, (2014) “Synthesis and Characterization of Cu-doped ZnO Nanorods”, Sains Malaysiana 43(2)/273–281.

29. Sergiu T. Shishiyanu, Teodor S. Shishiyanu, Oleg I. Lupan, (2005) “Sensing characteristics of tin-doped ZnO thin films as NO2 gas sensor”, Sensors and Actuators B 107/379–386.

30. Shaveta Thakur, Neha Sharma, Anamika Varkia and Jitender Kumar, (2014) “Structural and optical properties of copper doped ZnO nanoparticles and thin films”, Pelagia Research Library, Advances in Applied Science Research, 5(4)/18-24.

31. Shifeng Zhao, Yulong Bai, Jieyu Chen, Alima Bai, and Wei Gao, (2014) “Optical and Magnetic Properties of Copper Doped Zinc Oxide Nanofilms”, Journal of Magnetics 19(1)/68-71.

32. V. Musata, A. M. Rego, R. Monteiro, E. Fortunato, (2008) “Microstructure and gas-sensing Properties of sol–gel ZnO thin films”, Thin Solid Films, 516/1512-1515.

33. V. R. Shinde, T. P. Gujar, C. D. Lokhande, (2007) “Enhanced response of porous ZnO nanobeads towards LPG: Effect of Pd sensitization”, Sensors and Actuators B 123/701–706.

34. Wasan R. Saleh, Nada M. Saeed, Wesam A. Twej, Mohammed Alwan, (2012) “Synthesis Sol-Gel Derived Highly Transparent ZnO Thin Films for Optoelectronic Applications”, Advances in Materials Physics and Chemistry, 2/11-16.

35. Ziaul Raza Khan, Mohd Shoeb Khan, Mohammad Zulfequar, Mohd Shahid Khan, (2011): “Optical and Structural Properties of ZnO Thin Films Fabricated by Sol-Gel Method”, Materials Sciences and Applications, 2/340-345.